SANYO

ISO

All fasteners subject to metric dimension of International Organization for Standadization.

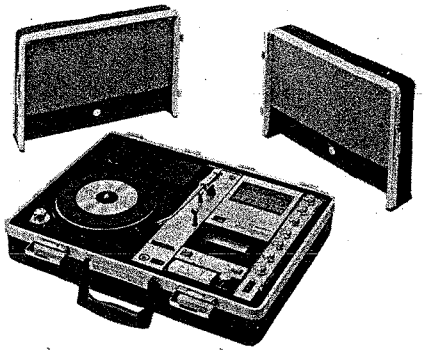
Solid State Portable
le Stereo Music Center

MODEL G-2315C

SERVICE MANUAL

SANYO ELECTRIC CO., LTD.

INTERNATIONAL DIVISON: SANYO ELECTRIC TRADING CO., LTD.
OSAKA, JAPAN

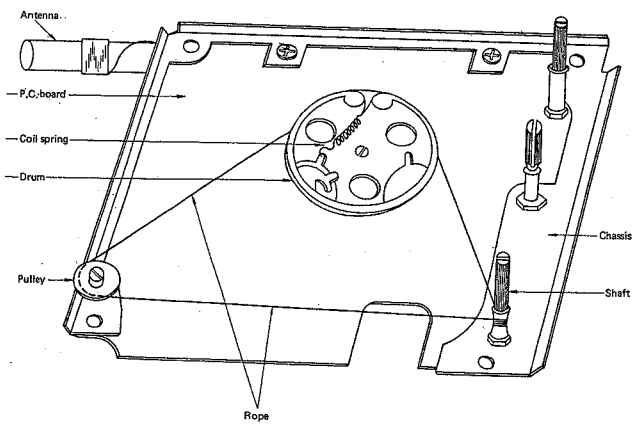


SPECIFICATIONS

Transistors	1	FM RF amplifier
	1	FM converter
	2	FM IF amplifier
	1	AM converter
	2	FM & AM IF amplifier
	3 x 2	Pre amplifier
	2	Bias oscillator
	1	Record lever amplifier
	3 x 2	AF amplifier
	2 x 2	Power amplifier
Diodes	1	FM AGC
	2	FM limitor
	2	Discriminator
	1	AM AGC & detector
	2	Rectifier
	2	Detector
Thermistor	2	
Output power	2.5W x 2 (PMP)	

Frequency range	AM	530 – 1605 KHz
	SW	3.2 – 12.0 MHz
	FM	87 – 108 MHz
Intermediate frequency	AM	455 KHz
	FM	10.7 MHz
Turntable speed	33-1/3, 45, 78 rpm	
Recording system	AC bias	
Erasing system	AC erase	
Recording time	60 min. (C-60), 90 min. (C-90)	
Fast forward or Rewind time	120 sec.	
Speaker	Two 4" x 6" ferrite core speaker, voice coil impedance 8 ohms	
Power source	DC 9V (6 x "D" size flashlight batteries) AC 110/220/240 V select (50/60Hz)	
Dimensions	18-25/64"(W) x 5-33/64"(H) x 13-31/32"(D) (466 x 140 x 355 mm)	
Weight	16.5 lbs. (7.5Kg) approx.	

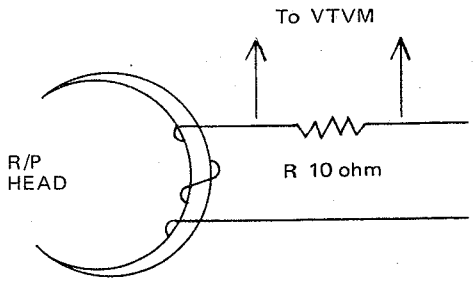
DIAL CORD STRINGING



ADJUSTMENT OF TAPE RECORDER

Oscillation bias current

Bias current during the recording is measured at both ends of R(10 ohm). Adjustment is made by semi-fixed VR(250K ohm) so that the voltage will be measured 5mV.



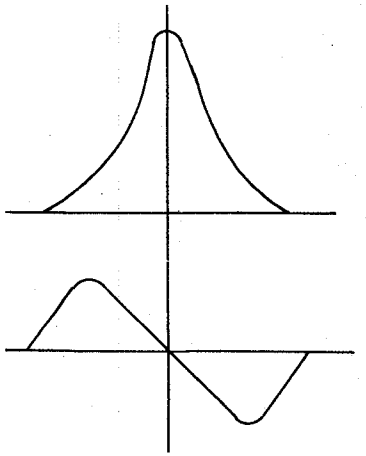
AM and SW ALIGNMENTS

Sequence of Alignment	Wave Range	Signal Generator Frequency	Signal Generator Modulation	Dial Pointer	Connection high side of signal Generator to	Coil Adjustment	Signal Generator Frequency	Signal Generator Modulation	Dial Pointer	Trimmer Adjustment	Indication
I.F.T. T-106	M.W	455 KHz	A.M 30%	Lower end	Thru loop antenna						Max. output
I.F.T. T-107	M.W	455 KHz	A.M 30%	Lower end	Thru loop antenna						Max. output
I.F.T. T-108	M.W	455 KHz	A.M 30%	Lower end	Thru loop antenna						Max. output
Oscillator M.W	M.W	520 KHz	A.M 30%	Lower end	Thru loop antenna	L-11	1650 KHz	A.M 30%	Upper end	Ct-4	Max. output
Ferrite ant. M.W	M.W	600 KHz	A.M 30%	600 KHz	Thru loop antenna	L-8	1400 KHz	A.M 30%	1400 KHz	Ct-3	Max. output
Oscillator S.W	S.W	3.1 MHz	A.M 30%	Lower end	Thru loop antenna	L-10	12.5 MHz	A.M 30%	Upper end	Ct-6	Max. output
Ferrite ant. S.W	S.W	3.5 MHz	A.M 30%	3.5 MHz	Thru loop antenna	L-7	11.5 MHz	A.M 30%	11.5 MHz	Ct-5	Max. output

FM and RF ALIGNMENTS

Sequence of Alignment	Wave Range	Signal Generator Frequency	Signal Generator Modulation	Dial Pointer	Connection high side of signal generator to	Coil Adjustment	Signal Generator Frequency	Signal Generator Modulation	Dial Pointer	Trimmer Adjustment	Indication
Oscillator	F.M	86.0 MHz	F.M 30%	Lower end	Signal generator to Cl.	L-2	110.0 MHz	F.M 30%	Upper end	Ct-1	Max. output
Antanna	F.M	90.0 MHz	F.M 30%	90.0 MHz	Signal generator to Cl.	L-4	106.0 MHz	F.M 30%	106.0 MHz	Ct-2	Max. output

FM and IF ALIGNMENTS

Sequence of Alignment		Wave Range	Alignment Frequency	Test Equipments connections	Adjustment	Curve
1.	I.F.T T-1	F.M	10.7 MHz	Connect sweep generator to Ct-2 and oscilloscope to test point T108, R115.	Detune T-105 and T-1 tune for max. gain and symmetry of response curve	
2.	I.F.T T-103	F.M	10.7 MHz	Same as above connection	T-103 tune for max. gain and symmetry of response curve.	
3.	I.F.T T-102	F.M	10.7 MHz	Same as above connection	T-102 tune for max. gain and symmetry of response curve.	
4.	I.F.T T-101	F.M	10.7 MHz	Same as above connection	T-101 tune for max. gain and symmetry of response curve.	
5.	I.F.T T-104 T-105	F.M	10.7 MHz	Connect sweep generator to Ct-2 and oscilloscope to test point T109, R120.	T-104 and T-105 tune Symmetry and max. gain of response curve.	

PARTS LIST

Ref. No.	Part No.	Description	Q'ty
Package			
	R-47750	Inspect sheet	1
	R-477447	Instruction book	1
	R-407901	Individual carton	1
	R-417232	Protector, styrol for set	2
	R-357053	Polyethylene bag, set	1
	R-407424	Protector, handle	1
	R-477176	Label	2
	R-477070	Tag	1
	R-417242a	Protector, batt. case & cassette lid	2
		Ribbon (12wx250L), Pick-up	1
Cabinet			
	R-A7485	Case complete	1
001	(R-397188a)	(Case)	(1)
002	R-267329	Frame	1
003	R-117725	Fix metal	2
004	R-117726	Fix metal	1
005	R-117727	Fix metal	1
006	R-S87348	Lock assembly	2
007	R-S87093	Handle assembly	1
008	R-S87096	Hinge assembly	4
009	R-445037	Base	2
Speaker Box (Right)			
	R-A7486	Speaker Box complete (Right)	1
	R-A7518	Case Assy.	1
010	(R-397189)	(Case)	(1)
011	(R-267330)	(Frame)	(1)
012	(R-117728)	(Fix metal)	(1)
013	(R-117729)	(Fix metal)	(1)
014	(R-317066)	(Fix plastic board)	(1)
017	(R-327127b)	(Fix plastic board)	(1)
023	(R-407604)	(Hard board)	(1)
015	R-397259	Cord cover	1
016	R-S87102	Boffle plate assy.	1
018	R-267103	Badge	1
019	R-235079	Special washer	2
020	R-117699	Fix metal	1
021	R-117205	Hinge	2
022	R-445037	Base	1
	R-437035	Protector	1
Speaker box (Left)			
	R-A7487	Speaker box complete (Left)	1
	R-A7517	Case assy.	1
024	(R-397190)	(Case)	(1)
025	(R-267331)	(Framge)	(1)
012	(R-117728)	(Fix metal)	(1)
013	(R-117729)	(Fix metal)	(1)
014	(R-317066)	(Fix plastic board)	(1)
017	(R-327127b)	(Fix plastic board)	(1)
023	(R-407604)	(Hard board)	(1)
015	R-3917256	Cord cover	1
016	R-S87102	Baffle plate assy.	1
018	R-267103	Badge	1
019	R-235079	Special washer	2
020	R-117699	Fix metal	1
021	R-117205	Hinge	2
022	R-445037	Base	1
	R-437035	Protector	1
Motor board			
	R-A7515	Motor board complete	1
026	(R-317095)	(Panel)	(1)
027	R-397258	Dial	1
028	R-267381	Decoration metal, dial	1
029	R-267382	Decoration metal, control	1
030	R-367334a	Decoration metal, phono	1
031	R-267335a	Decoration metal, cassette	1

Ref. No.	Part No.	Description	Q'ty
Motor board			
035	R-397192	Holder, PU	1
036	R-397035	Rest stand	1
037	R-267094	Decoration metal, speed select	1
042	R-267336	Reflection plate	1
	R-A7492	Cassette case complete	1
032	(R-397191)	(Case)	(1)
033	R-387054	Cover	1
034	R-257024	Spring metal	2
044	R-117842	Supplement parts of cassette case	1
	R-A7516	Battery case lid complete	1
038	(R-327160)	(Battery cover)	(1)
039	R-477601	Specification sheet	1
040	R-127035	Spring metal	1
041	R-415279	Protector	1
075	R-327164	Knob	1
	R-A7494	Battery case complete	1
057	(R-327161a)	(Battery case)	(1)
058	R-117200	Battery terminal (+)	3
059	R-155041	Coil spring (–)	3
046	R-S87349	Pointer assembly	1
045	R-117197	Rail	1
047	R-117730	Fix metal	2
048	R-117731	Special screw	2
049	R-117732	Fix metal	1
050	R-117733	Fix metal	1
051	R-397193	Fix plastic board	1
052	R-397194	Fix plastic board	1
053	R-157030a	Coil spring	1
054	R-157031	Coil spring	2
055	R-117804	Spring metal	1
056	R-117734	Fix metal	1
060	R-357044	Battery pull out ribbon	1
061	R-327162	Fixing gum of battery lead	14
063	R-157032	Coil spring	1
062	R-117735	Supplement parts of panel	1
	R-A7192	Turn-table cover complete	1
065	(R-447014b)	(Cover)	(1)
066	R-267099	Decoration metal	1
	R-A7488	Knob complete, Band, Function, Tone, Balance, Volume, Recording volume	6
070	(R-397195)	(Knob)	(6)
078	R-267344	Decoration metal	6
	R-A7489	Knob complete, Tuning, Fine tuning	2
070	(R-397195)	(Knob)	(2)
079	R-267345	Decoration metal	2
	R-A7490	Knob complete, Speed select	1
076	(R-397198)	(Knob)	(1)
080	R-267346	Decoration metal	1
064	R-397004	Pipe, PU	1
067	R-117325	Lever	1
068	R-445077	Fixing gum of battery lead	4
069	R-447073	Fixing gum of battery lead	3
	R-415225	Protector	1
071	R-397196	Button, Eject	1
072	R-397197	Button, Record	1
074	R-327163a	Push button, cassette	4
077	R-325153	Adaptor, 45EP	1
Chassis			
081	R-A7519	Printed circuit board w/components, Amp.	1
082	R-A7520	Printed circuit board w/components, Tuner	1
083	R-A7521	Printed circuit board w/components, Cassette	1
084	R-A7522	Printed circuit board w/components, Rectifier	1
085	R-117736	Chassis	1
086	R-117737	Fix metal, control knob	1
	R-117738	Fix metal, Recording VR.	1

PARTS LIST

Ref. No.	Part No.	Description	Q'ty
Chassis			
088	R-267205a	Heat sink	1
089	R-117380	Fix metal	2
090	R-S87358	Shaft assembly	1
091	R-325017	Pulley	1
092	R-247058	Pulley shaft	1
093	R-33226	Drum	1
094	R-15041	Coil spring	1
095	R-26627a	Heat sink, Fin type	2
096	R-447073	Cushion	1
097	R-117739	Shield case, OSC	1
098	R-117786	Fix metal	1
	R-A7523	Printed circuit board w/components, OSC	1
	R-A7524	Printed circuit board w/components, Connector	1
	R-A7525	Printed Circuit board w/components. FM	1
	R-415279	Protector, OSC PCB	1
102	R-267394	Heat sink	1
104	R-157041	Spring pin	1
103		Dial rope	1
	R-257019	Spring	1
	R-117835	Shield case	1
Accessories			
	R-S0755a	Microphone	1
	R-S0762	Cassette	1
	R-S8574b	Adaptor assembly	1
	R-S8575b	Adaptor assembly	1
	R-S3719	AC cord	1
Electrical parts (Cabinet section)			
116	R-R124729	Variable resistor, Volume	1
117	R-R116724	Variable resistor, Balance	1
118	R-R116725	Variable resistor, Tone	1
119	R-S0753	Pick up assembly	1
	R-S0754	Pick up arm.	1
	R-S0761	Cartridge	1
120	R-S5714a	Motor assembly	1
	R-S5715	Motor unit	1
	R-S5716	Turn table	1
121	R-W7734a	Power trans.	1
122	R-S0725a	Speaker	2
C510	R-C9720	Electrolytic capacitor (2200μF/16V)	1
C508	R-C9716	Electrolytic capacitor (200μF/10V)	1
123	R-S87143	Cord assembly	2
124	R-S4768	Rotary switch	1
125	R-S4734	Seesaw switch	1
126	R-S2720	Jack	2
	R-S1719	Terminal assembly	2
	R-S2702	Plug	2
	R-S2115	Socket	1
131	R-S4550	Rest switch	1
132	R-23275	Eyelet	13
043	R-S4732	Slide switch	1
133	R-S1721	Terminal	1
134	R-S5729	Indicator	1
135	R-S2737	Jack	1
	R-12004	Oval lug	2
136	R-S87318	Telescopic antenna assembly	1
137	R-S2736	Jack	1
	R-S2743	Connector	1
	R-235128	Eyelet	3
	R-S1749	Silicon rectifier	1

Symbol No.	Stock No.	Description	Q'ty
Electrical Parts (Tuner Section)			
	R-S87121	Antenna coil assembly	1
	R-W2737	Antenna coil	1
	R-350776	Holder	2
L1	R-W2237	Antenna coil	1
L2	R-W9515	VHF coil	1
L4	R-W9516	VHF coil	1
L3	R-W9018	Choke coil	1
L10	R-W8548	OSC coil	1
L11	R-W8549	OSC coil	1
	R-C1122	Variable capacitor	1
	R-C1708	Variable capacitor	1
Ct-5,6	R-C0704	Trimmer	2
SVR-1	R-R11011	SVR	1
L5	R-W1059	Choke coil	1
T1	R-W5T267a	IF trans.	1
	R-23275	Eyelet	7
	R-24372	Tip	5
	R-S4769	Rotary slide switch	1
C23		Electrolytic capacitor (10V/470μ)	1
C13		Electrolytic capacitor (6V/5μ)	1
C29		Electrolytic capacitor (6.3V/4.7μ)	1
Tr-1,2		Transistor 2SC668	2
Tr-3		Transistor 2SA222	1
D1		Diode 1S188	1
T101,102, 103	R-W5T716	IF trans.	3
T104	R-W5T717	IF trans.	1
T105	R-W5T718	IF trans.	1
T106	R-W5T719	IF trans.	1
T107	R-W5T720	IF trans.	1
T108	R-W5T721	IF trans.	1
SVR-101	R-R11011	SVR	1
C116		Electrolytic capacitor (6V/5μF)	1
C121		Electrolytic capacitor (6.3V/4.7μF)	1
Tr-101,102 103,104		Transistor 2SC930	4
D101,102, 103,104		Diode 1S188(FM)	4
D105		Diode 1S188(AM)	1
Electrical parts (Amp. section)			
T4,5	R-W6710	Input trans.	2
T6,7	R-W6714	Output trans.	2
C301,303	R-C9534	Electrolytic capacitor (300μF/10V)	2
C302	R-C9557	Electrolytic capacitor (200μF/10V)	1
C317,319 357,359	R-C9086a	Electrolytic capacitor (120μF/6V)	4
C312,352	R-C9080	Electrolytic capacitor (30μF/3V)	2
C315,318 355,358	R-C9078	Electrolytic capacitor (5μF/6V)	4
C313,316 353,356	R-C9566	Electrolytic capacitor (0.2μF/10V)	4
C311,351	R-C9710	Electrolytic capacitor (0.1μF/10V)	2
	R-24372	Tip	4
	R-S2115	Socket, telescopic antenna	8
Tr-5,10	2SB303	Transistor	2
Tr-6,11	2SB186	Transistor	2
Tr-7,12	2SB186	Transistor	2
Tr-8,9, 13,14	2SB405	Transistor	4
Th-1,2	SDT-02	Thermistor	2

Symbol No.	Stock No.	Description	Q'ty
Electrical parts (Cassette section)			
	R-R116726	Variable resistor	1
	R-W8718	OSC.	1
	R-W1719	Bias trap	1
	R-R11018	Semi-fixed resistor (250K ohm)	1
C401,403, 404	R-C9716	Electrolytic capacitor (200μF/10V)	3
C402,405	R-C9145	Electrolytic capacitor (100μF/10V)	2
C416,436	R-C9081	Electrolytic capacitor (50μF/10V)	2
C412,415, 435,432	R-C9080	Electrolytic capacitor (30μF/3V)	4
C417,418, 437,438, 456	R-C9060	Electrolytic capacitor (10μF/10V)	5
C413,433, 411, 431	R-C9565	Electrolytic capacitor (1μF/10V)	6
C414, 434	R-C9566	Electrolytic capacitor (0.2μF/10V)	2
C507,511	R-W1046	Choke coil	1
	R-S4771	Slide switch	1
	R-23275	Eyelet	8
Tr-15,16, 18,19	2SC693	Transistor	4
Tr-17,20,21, 22,23	2SC537	Transistor	5
D-2,3	1S188	Diode	2
	R-12011	Lug	1

Stock No.	Description	Q'ty
Resistors (Cabinet Section)		
R506	470 ohms ±10% 1/4W Carbon	1
R505,515	1 K ohms " " "	2
R507	8.2 K ohms " " "	1
R501,502,503 504	2 M ohms " " Solid	4
R509	10 ohms ±20% 1/2W "	1
R510,511,513 514	50 ohms ±10% 2W Wire wound	4
Resistors (RF Section)		
R2,3,5,6	2.2 K ohms ±10% 1/4W Carbon or Solid	4
R4,8,10	10 K ohms " " "	3
R7	100 ohms " " "	1
R9	5.6K ohms " " "	1
R11	220 ohms " " "	1
R15	2.7 K ohms " " "	1
R16	3.3 K ohms " " "	1
R1,12	560 ohms " " "	2
R13,17	150 ohms " " "	2
R14	15 K ohms " " "	1
Resistors (IF Section)		
R113,108	10 K ohms ±10% 1/4W Carbon	2
R103,109,114 116,117,120	1 K ohms " " "	6
R104,101	560 ohms " " "	2
R107,111,118, 119,124	5.6 K ohms " " "	5
R106,110,112, 121	220 ohms " " "	4
R115	270 ohms " " "	1
R122,123	330 ohms " " "	2

Stock No.	Description	Q'ty
Resistors (Amplifier Section)		
R301	33 ohms ±10% 1/4W Carbon	1
R318,358	56 ohms " " "	2
R302,323,363	100 ohms " " "	3
R324,364	560 ohms " " "	2
R303,319,330 359,370	1 K ohms " " "	5
R314,354	2.2 K ohms " " "	2
R322,362	4.7 K ohms " " "	2
R313,320,353 360	6.8 K ohms " " "	4
R312,315,352 355	10 K ohms " " "	4
R317,357	15 K ohms " " "	2
R321,328,361 368	22 K ohms " " "	4
R329,369	33 K ohms " " "	2
R311,351	100 K ohms " " "	2
R316,356	220 K ohms " " "	2
R327,367	1.5 ohms ±5% 1/2W Carbon or Solid	2
R326,366	820 ohms ±10% 1/4W Carbon	2
R325,365	47 ohms " " "	2
Resistors (Cassette Section)		
R411,431	10 ohms ±5% 1/4W Carbon	2
R404	33 ohms ±10% " "	1
R471	68 ohms " " "	1
R413,433	100 ohms " " "	2
R401	120 ohms " " "	1
R416,436,464	220 ohms " " "	3
R402	680 ohms " " "	1
R405,417,437	1 K ohms " " "	3
R420,440,451 473	1.5 K ohms " " "	4
R422,442	2.2 K ohms " " "	2
R412,425,426 432,445	3.3 K ohms " " "	5
R454	4.7 K ohms " " "	1
R453,465	5.6 K ohms " " "	2
R461	2.2 K ohms " " Carbon or Solid	1
R467	10 K ohms " " Carbon	1
R418,438	15 K ohms " " "	2
R472	18 K ohms " " "	1
R421,423,441 443,452,466	22 K ohms " " "	6
R419,439	27 K ohms " " "	2
R415,435	27 K ohms " " "	2
R414,434	1 M ohms " " "	2
R462	330 K ohms " " "	1
R403	22 K ohms " " "	1
R446	3.3 K ohms " " Carbon or Solid	1
Capacitors (Cabinet Section)		
C314,354	0.04 μF +30 −20% 35V over Mylar	2
C509	0.02 μF +100 −0% " Ceramic	1
C501,502	40 pF ±10% " "	2
C503,504	20 pF " " "	2
C520,521	0.04 μF +100 −0% " "	2
C522	0.01 μF " " "	1
Capacitors (RF Section)		
C1,14	20 pF ±10% 50V Ceramic	2
C2,15	10 pF " " "	2
C4	80 pF " " "	1

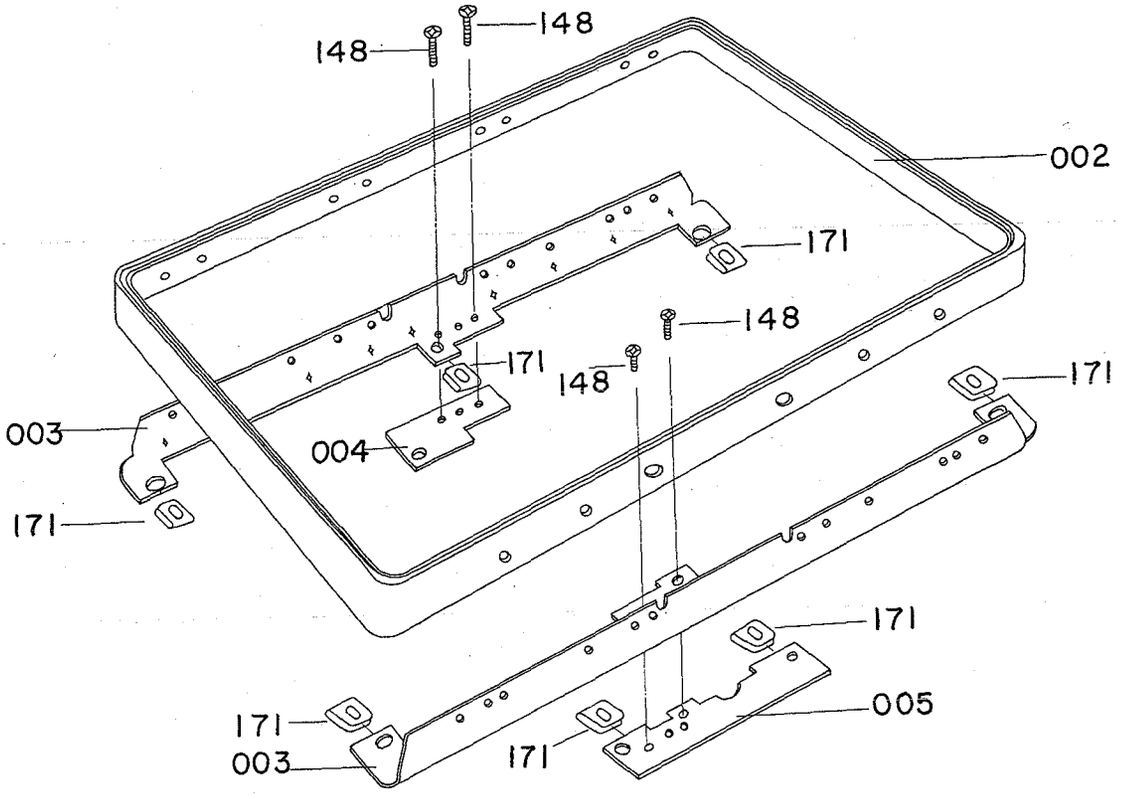
PARTS LIST

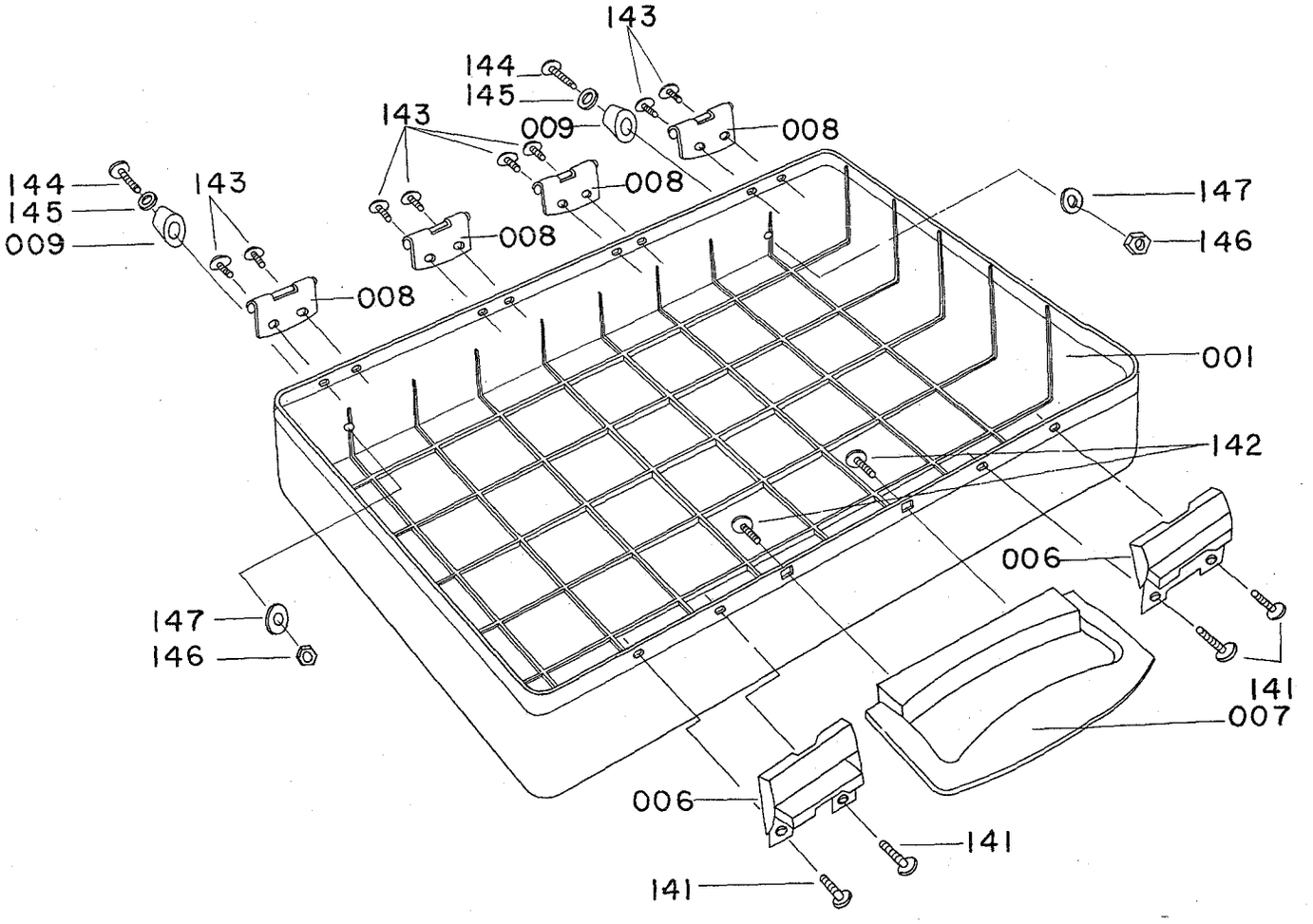
Stock No.	Description				Q'ty
Capacitors (RF Section)					
C6,33	2 pF	±0.5pF	"	"	2
C7,32	3 pF	"	"	"	2
C8	30 pF	±10%	"	"	1
C9	500 pF	"	"	"	1
C20,3	15 pF	"	"	"	2
C5,12	0.005 μF	+80 −20%	"	"	2
C22,24,25	0.04 μF	"	25V	"	3
C30,31	0.02 μF	"	"	"	2
C27	5 pF	±0.5pF	50V	"	1
C10	0.001 μF	+80 −20%	"	"	1
C16	0.0075 μF	+30 −20%	50V	Mylar	1
C17	0.01 μF	"	"	"	1
C26	0.0047 μF	"	"	"	1
C18	0.003 μF	"	"	"	1
C19	1300 pF	±5%	125V	Styrol	1
C21	330 pF	"	"	"	1
Capacitors (IF Section)					
C114	0.005 μF	±20%	50V	Ceramic	1
C103,108	0.001 μF	+80 −20%	"	"	2
C102,105,107 109,113	0.02 μF	"	"	"	5
C106,110,117, 118	200 pF	±10%	"	"	4
C115	30 pF	"	"	"	1
C120	0.01 μF	+80 −20%	"	"	1
C101	10 pF	±10%	"	"	1
C111,112	0.01 μF	+30 −20%	"	Mylar	2
Capacitors (Anp. Section)					
C321,322 361,362	0.01 μF	+30 −20%	35V over	Mylar	4
C320,360	0.04 μF	"	"	"	2
C324,364	0.04 μF	+100 −0%	"	Ceramic	2
Capacitors (Cassette Section)					
C452	1100 pF	±10%	35V over	Styrol	1
C451,453, 455,457	0.01 μF	+30 −20%	"	Mylar	4
C419,439	0.04 μF	+30 −20%	"	"	2
C454	0.2 μF	+30 −20%	"	"	1
C422,442	100 pF	±10%	"	Ceramic	2
C420,440	200 pF	"	"	"	2
C461,463, 464	0.01 μF	+100 −0%	"	"	3

Ref. No.	Description
Mounting parts (Cabinet section)	
141	Pan head tapping screw (2) (3x8) Lock assembly - Frame
142	Pan head screw (4x12) Handle assembly - Frame
143	Oval counter sunk tapping screw (3x10) Hinge assembly - Frame
144	Pan head screw (3x10) Base - Case
145	Round head screw washer (3.3φx6φx0.5t) Base - Case
146	Hexagon nut (M3) Base - Case
147	Bolt nut washer (3.3φx6φx0.5t) Base - Case
148	Pan head tapping screw (2) (3x8) Fix metal - Fix metal
149	Oval countersunk head screw (3x10) Fix plastic board - Frame
150	Pan head tapping screw (2) (3x10) Fix metal - Frame
151	Oval counter sunk head screw (3x10) Hinge - Frame
152	Pan head screw (3x10) Base - Case
153	Round head screw washer (3.3φx6φx0.5t) Base - Case
154	Hexagon nut (M3) Base - Case
155	Bolt nut washer (3.3φx8φx0.5t) Base - Case

Ref. No.	Description
Mounting parts (Cabinet section)	
156	Pan head tapping screw (2) (3x10) Fix plastic board - Fix plastic board
157	Bolt nut washer (3.3φx8φx0.5t) Fix plastic board - Fix plastic board
158	Hexagon nut (1) (M3 H2.5) Buffle plate assembly - Speaker
159	Bolt nut washer (3.3φx10φx1t) Buffle plate assembly - Speaker
160	Spring washer (M3) Buffle plate assembly - Speaker
161	Oval contersunk head screw (3x20) Buffle plate assembly - Fix metal
162	Special screw (R-12080) Buffle plate assembly - Fix metal
163	Lug (R-12011) Speaker - Fixing gum of battery lead
164	Tube (4x20) Speaker - Fixing gum of battery lead
165	Pan head tapping screw (2) (3x10) Holder - Panel
166	Bolt nut washer (3.3φx8φx0.5t) Holder - Panel
167	Pan head tapping screw (2) (3x10) Rest stand - Panel
168	Bolt nut washer (3.3φx8φx0.5t) Rest stand - Panel
169	Pan head tapping screw (2) (3x6) Battery cover - Knob
170	Oval countersunk tapping screw (3x25) Panel - Case assembly
171	Special screw (R-12080) Panel - Case assembly
172	Pan head tapping screw (2) (3x6) Panel - Rail
173	Pan head tapping screw (2) (3x10) Panel - Fix metal
174	Pan head tapping screw (2) (3x8) Panel - Indicator
175	Pan head tapping screw (2) (3x8) Panel - Fix plastic board
176	Pan head tapping screw (2) (3x8) Panel - MIC. socket
177	Pan head tapping screw (2) (3x8) Panel - Battery case
178	Pan head tapping screw (2) (3x6) Panel - AC switch
179	Pan head tapping screw (2) (3x8) Panel - AC socket
180	Pan head tapping screw (2) (3x12) Panel - Trans.
181	Pan head tapping screw (2) (3x8) Panel - Rest switch
182	Pan head screw (3x8) Pick-up assembly - Lever
183	Spring washer (M3) Pick-up assembly - Lever
184	Round head screw (2x12) Pick-up assembly - Lever
185	Hexagon nut (1) (M2) Pick-up assembly - Lever
186	Pan head tapping screw (2) (3x8) Panel - Motor
187	Pan head screw (3x10) Panel - Rod antenna
189	Bolt nut washer (3.3φx8φx0.5t) Panel - Rod antenna
191	"C" washer (M3) Panel - Knob
192	Pan head tapping screw (2) (3x8) Panel - Exchange SW.
193	Pan head tapping screw (2) (3x8) Panel - Ribbon
194	Bolt nut washer (3.3φx8φx0.5t) Panel - Ribbon
195	Bolt nut washer (3.3φx8φx0.5t) Panel - Trans.
196	Pan head screw (3x8) Panel - Spring metal
197	Bolt nut washer (3.3φx8φx0.5t) Panel - Rest switch
198	Spring washer (M2) Rod antenna - Special screw
199	Pan head tapping screw (2) (3x6) Heat sink - P.C.board
200	Pan head tapping screw (2) (x4) Heat sink - Pin
201	Pan head screw (3x6) P.C. board - Antenna
202	Bolt nut washer (3.3φx8φx0.5t) P.C. board - Antenna
203	Hexagon nut (1) (M8x3) P.C. board - Antenna
204	Round head screw (2.6x6) P.C. board - VC
205	Pan head screw (3x10) VC - Drum
206	Spring washer (M3) VC - Drum
207	Pan head tapping screw (2.6x6) Cassette - VR
208	Hexagon nut (M3) P.C. board - Pulley shaft
209	Round head screw washer (3.3φx6φx0.5t) P.C. board - Pulley shaft
210	Pan head tapping screw (2) (3x12) Panel - P.C. board
211	Pan head tapping screw (2) (3x12) Panel - P.C. board
212	Pan head tapping screw (2) (3x12) Panel - Fix metal
213	Pan head screw (3x10) Panel - Cassette
214	Spring washer (M3) Panel - Cassette
215	Pan head tapping screw. (2.6x6) Cassette - Shield case
216	Round head screw (2x6) SW - Lever
217	Pan head screw (3x6) Lug board - Cassette
218	Hexagon nut (M3) Lug board - Cassette
219	Pan head screw (2.6x6) P.C. board - Cassette
220	Pan head tapping screw (2) (3x6) Heat sink - Heat sink
221	Round head screw (2x4) Cassette mechanism - Head

EXPLODED VIEW





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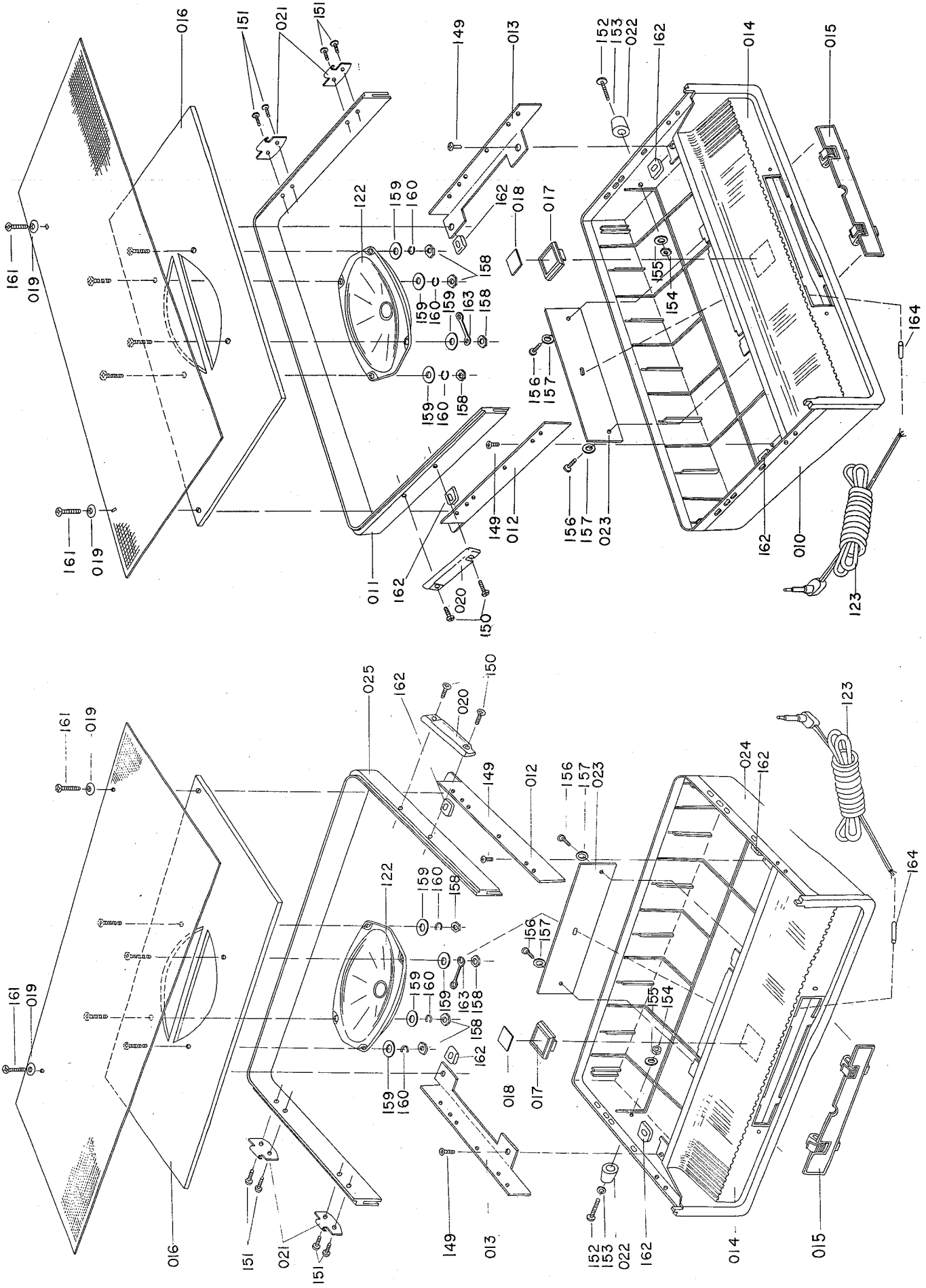

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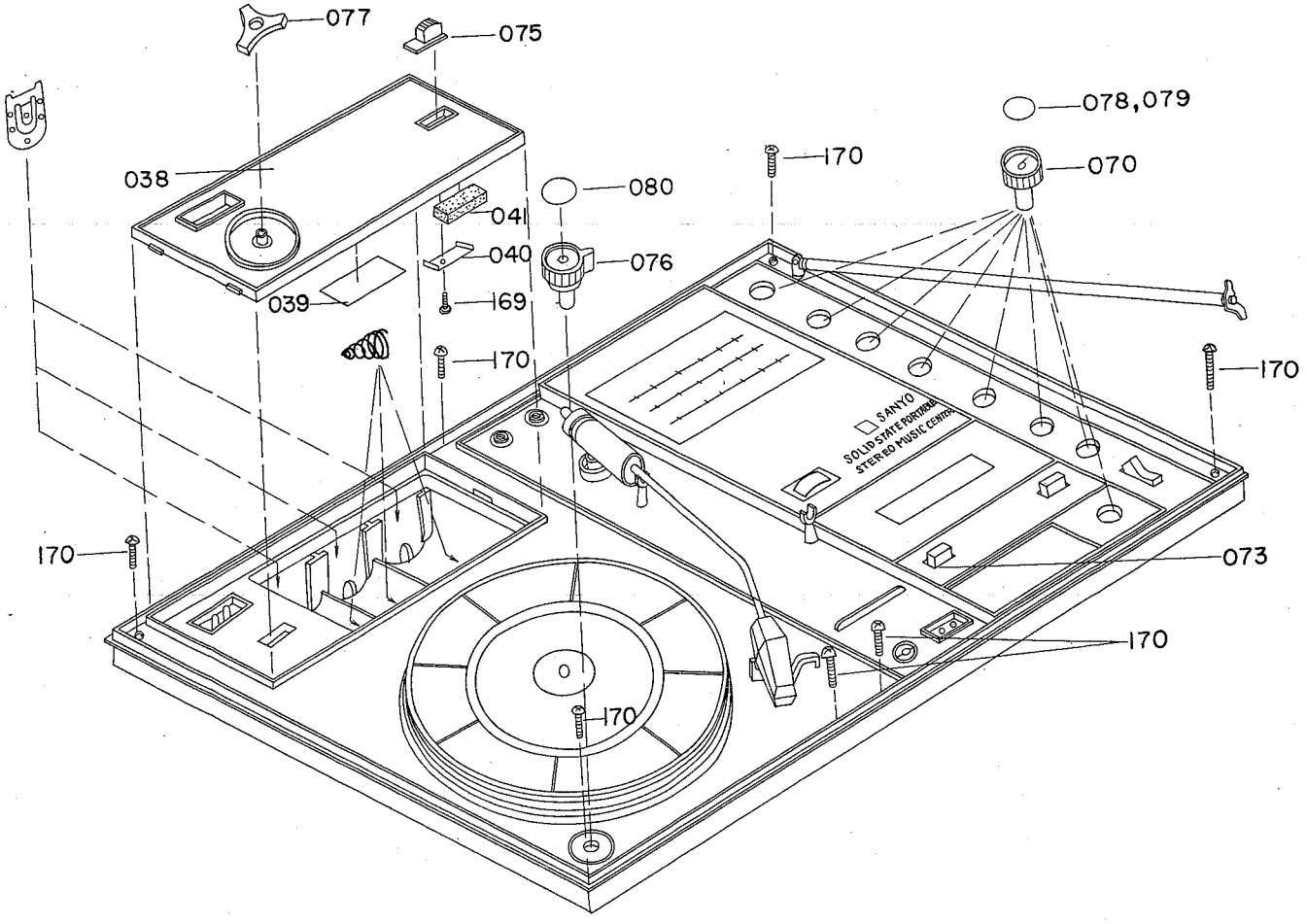

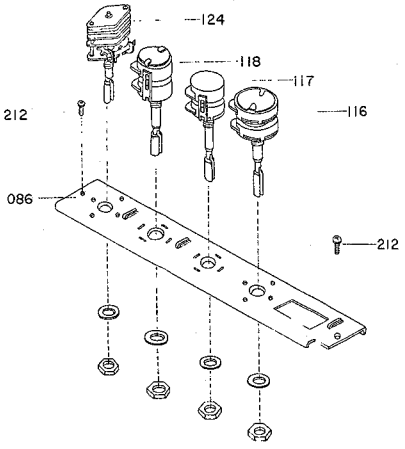

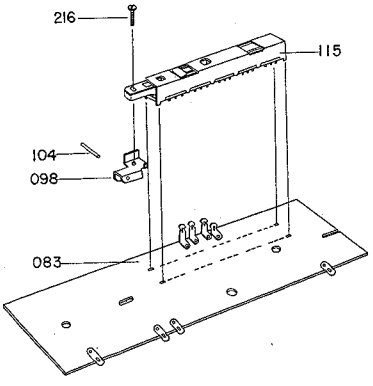

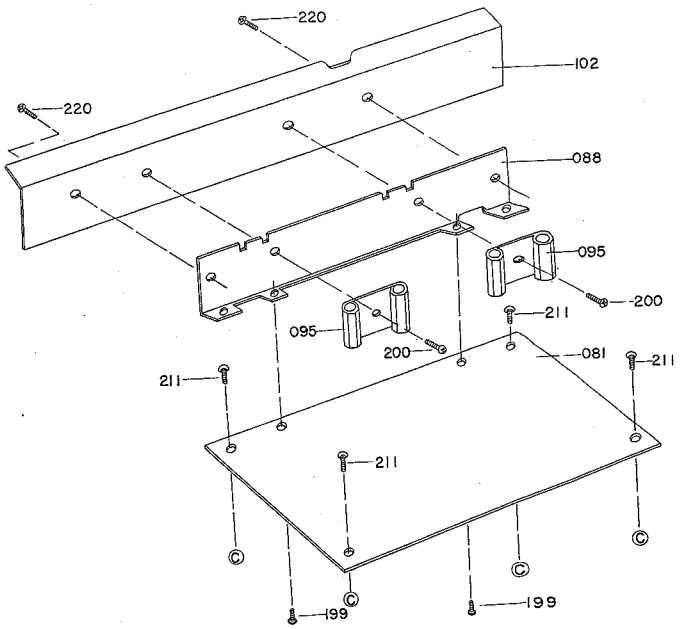

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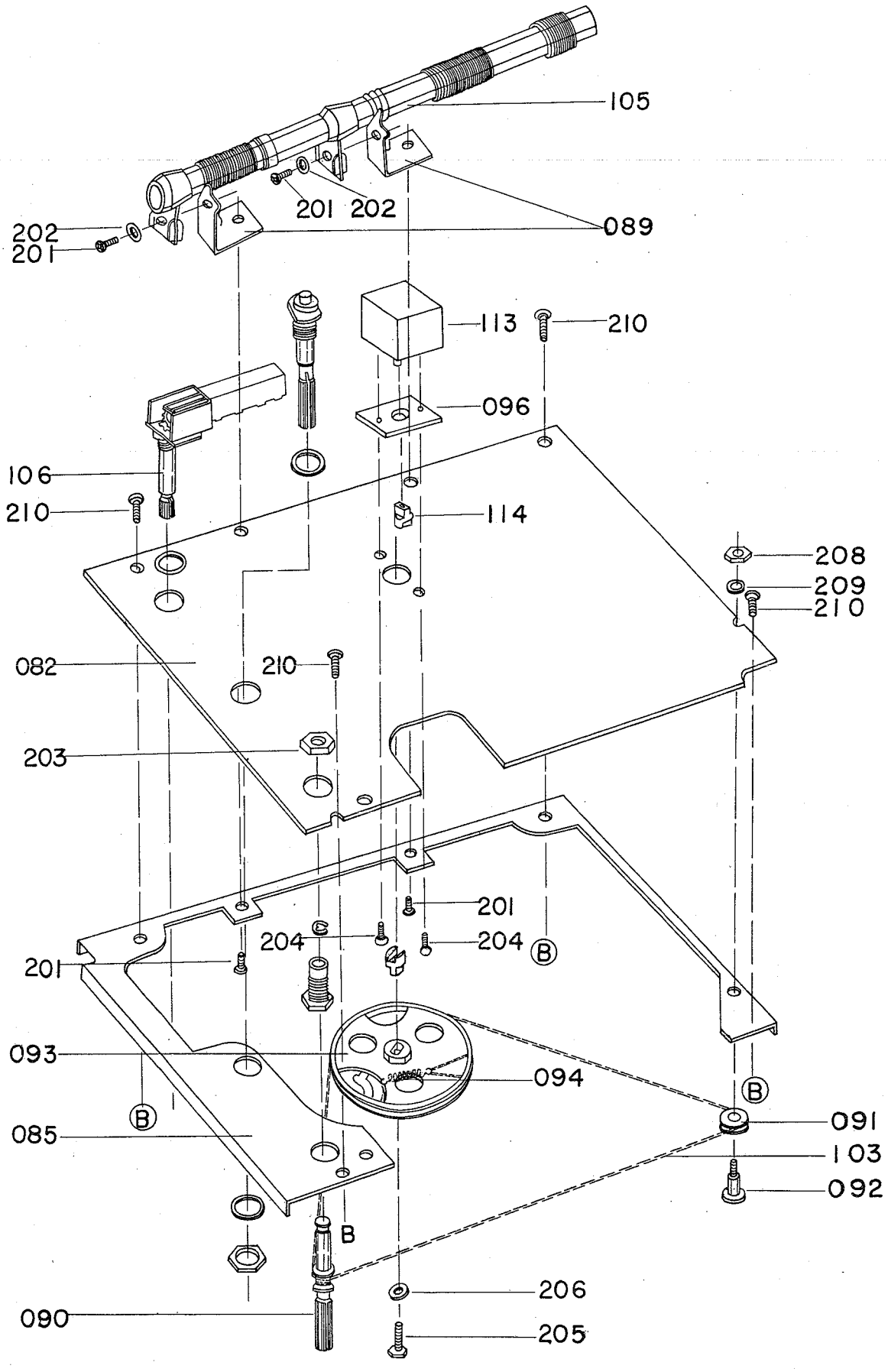

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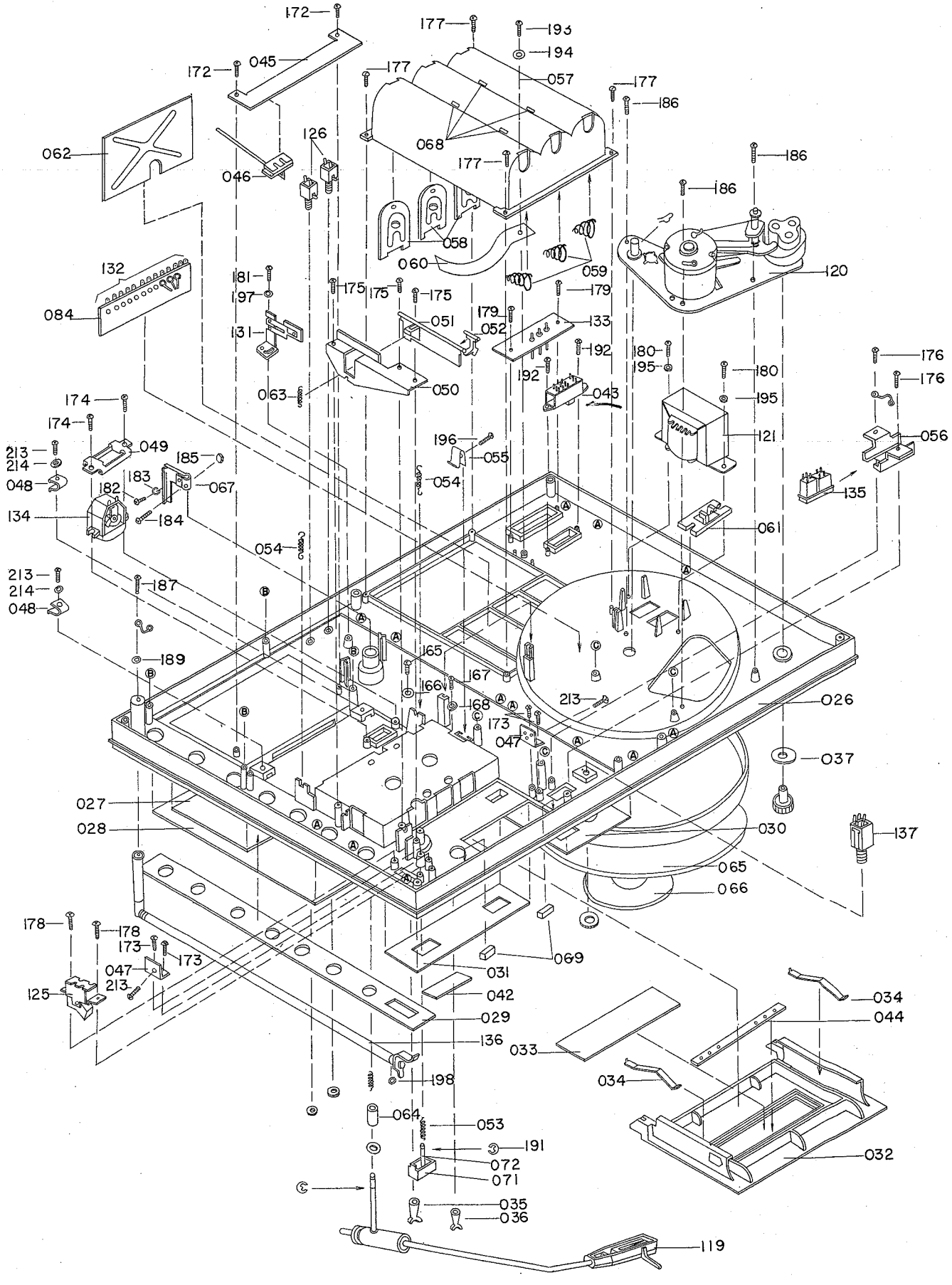
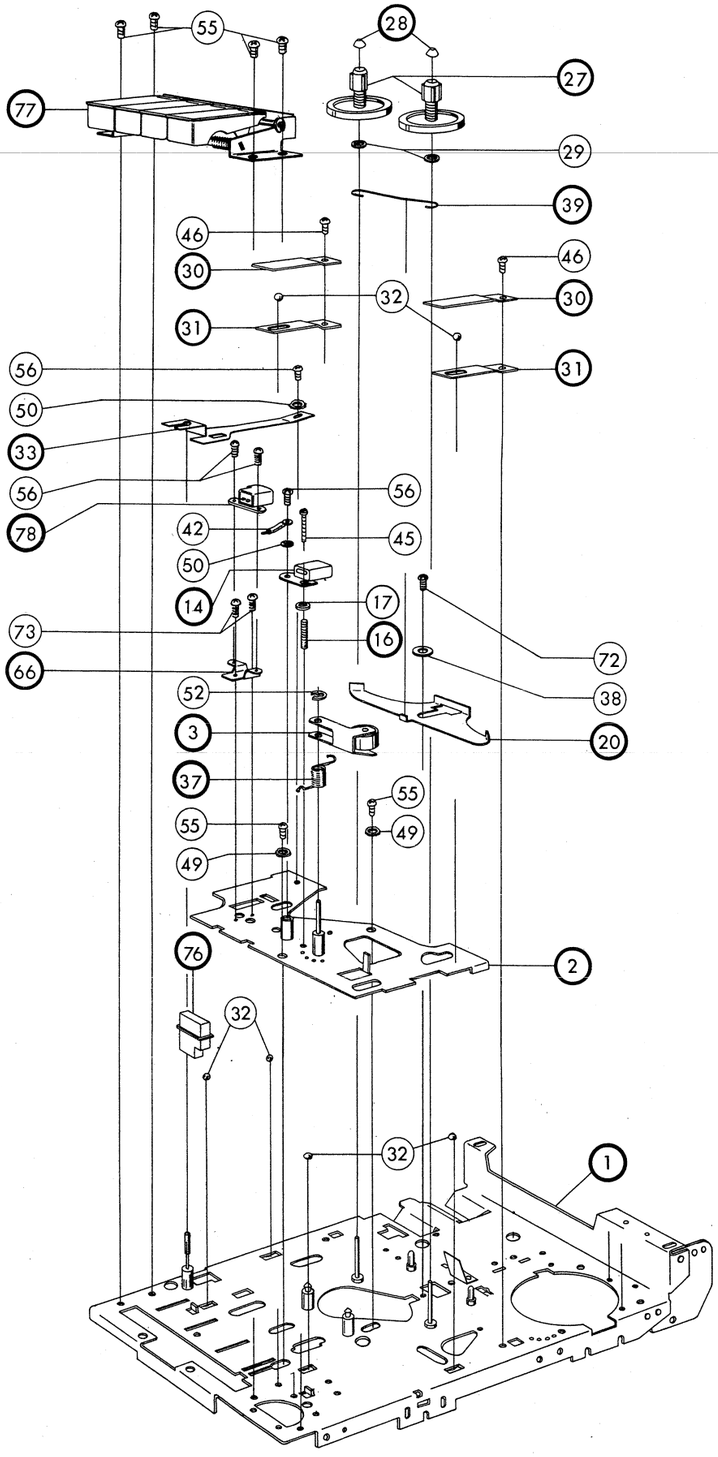


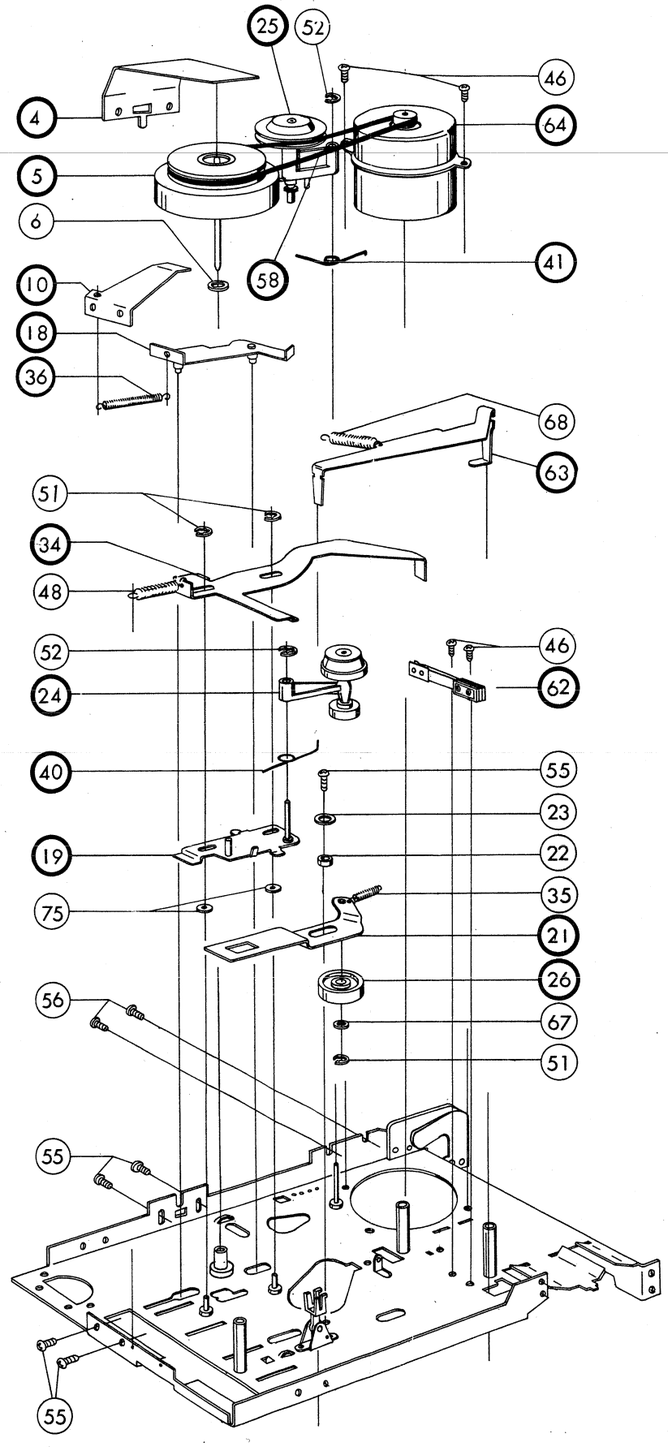
PARTS LIST

Key No.	Part No.	Description	Q'ty
Chassis			
1	141 0 3119 002 04	Assy chassis	1
	141 2 3119 002 04	Chassis	1
	141 2 7529 058 00	Adjust pin cassette	2
	141 2 7529 030 00	Support pin cassette	2
	141 2 3779 002 00	Post PCB	2
	141 2 5569 004 00	Spdl take up pul-arm	1
	141 2 5349 004 00	Spindle reel	2
	141 2 7529 005 00	Post record button	1
	141 2 8249 002 00	Pin idler base	2
	141 2 5719 007 00	Bush spindle	2
	141 2 8459 001 00	Brkt R P lever spdl	1
	141 2 8419 004 00	Lever R P SW	1
		Roll pin	1
	141 2 5729 017 00	Holder capstan	1
		Rivet 2ϕ x 3	2
	141 2 8529 023 00	Spg cassette fix	1
		Rivet 2.5ϕ x 3	1
2	141 0 7319 001 00	Assy base slide	1
	141 2 7319 010 00	Base slide	1
	141 2 5469 002 00	Spdl pinch rol arm	1
	141 2 3769 002 00	Spacer head	1
	141 2 3769 007 00	Spacer head	1
	141 2 3519 019 00	Protecter head	1
		Rivet 2ϕ x 3	2
3	141 0 5419 001 00	Assy pinch roller	1
	141 2 5419 001 00	Pinch Roller	1
	141 2 5429 001 00	Spindle pinch roller	1
	141 2 5459 002 00	Arm pinch roller	1
4	141 0 3519 001 00	Assy support flywheel	1
	141 2 3519 005 00	Support flywheel -	1
	141 2 4469 002 00	Pad flywheel spdl	1
5	141 2 5219 001 00	Flywheel capstan	1
6		Washer nylon 2ϕ x 7ϕ Used with key No.5	1
10	141 2 3169 002 00	Bracket chassis mtg.	1
14	R-S0760	R/P head assembly	1
16	141 2 8519 045 00	Spg adjust head	1
17		Washer 2.3ϕ x 4.3ϕ x 0.4	1
18	141 0 7319 002 00	Assy arm slide base	1
	141 2 7319 006 00	Arm slide base	1
	141 2 4139 001 00	Spacer SL base arm	2
19	141 0 7319 003 00	Assy base idler	1
	141 2 7319 008 00	Base idler	1
	141 2 5569 003 00	Spdl idler arm	1
20	141 2 7139 002 00	Brake plate	1
21	141 0 7319 004 00	Assy arm rewind roller	1
	141 2 7319 007 00	Arm rewind roller	1
	141 2 5529 007 00	Spdl rewind roller	1
22	141 2 3529 003 00	SP rewind roller arm	1
23	141 2 4569 002 00	Washer	1
24	141 0 5519 002 00	Assy idler	1
	141 2 5519 009 00	Idler	1
	141 2 5559 003 00	Arm idler	1
	141 2 5529 005 00	Spindle idler	1
	141 2 5519 013 00	Idler roller	1
	141 2 5719 013 00	Bush idler	1
25	141 0 5519 001 00	Assy take up pulley	1
	141 2 5559 004 00	Arm take up pulley	1
	141 2 5719 004 00	Bush take up pulley	1
	141 2 5519 008 00	Take up pulley	1
	141 2 4569 003 00	Friction plate	1
	141 2 5519 004 00	Driving roller	1
	141 2 4419 002 00	Felt take up pulley	1
	141 2 4569 001 00	Washer spring	1
	141 2 8519 014 00	Spg friction plate	1
	141 2 5529 006 00	Spdl take up pulley	1
	141 2 5719 006 00	Bush friction plate	1
26	141 0 5519 007 00	Assy rewind roller	1
	141 2 5519 010 00	Rewind roller	1
	141 2 5519 018 00	Ring rewind roller	1
27	141 0 5319 001 00	Assy reel plate	2
	141 2 5319 002 00	Reel plate	2

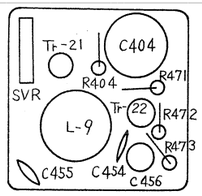
Key No.	Part No.	Description	Q'ty
Chassis			
	141 2 5369 002 00	Fix reel plate B	2
	141 2 5369 003 00	Fix reel plate C	2
	141 2 8519 007 00	Spg reel plate	2
28	141 2 5369 004 00	Cap reel plate	2
29	141 2 4539 002 00	Washer spindle	2
30	141 2 8539 002 00	Spg ball	2
31	141 2 8219 003 00	Holder ball	2
32	141 2 8259 001 00	Ball	6
33	141 2 8539 010 00	Spg record button	1
34	141 2 7319 009 00	Slide arm power SW	1
35	141 2 8519 018 00	Spg rewind roller	2
36	141 2 8519 009 00	Spg slide base	1
37	141 2 8519 015 00	Spg pinch roller	1
38	141 2 8259 003 00	Spacer brake	1
39	141 2 8529 003 00	Spg brake	1
40	141 2 8519 017 00	Spg idler	1
41	141 2 8519 013 00	Spg take up pulley	1
45		Screw syllinder - 2 x 12 Used with key No. 14, head adjust	1
46		Screw pan head tapping + 2.6 x 6 Used with key No. 30, 62, 64	5
48	141 2 8519 012 00	Spg slide arm power SW	1
49		Screw with tooth washer 2.6 x 5 Used with key No.2	2
50		Tooth washer outer 2ϕ Used with key No. 33	1
51		C clamp 1.5ϕ Used with key No. 26, 34	3
52		C clamp 2ϕ Used with key No. 3, 24, 25	3
55		Screw pan head + 2.6 x 5 Used with key No. 4, 10, 21, 77	7
56		Screw pan head + 2 x 4 4 Used with key No. 9	2
58	141 2 5649 002 01	Square driving belt	1
62	4 2319 701 30	Switch power	1
63	141 2 8429 001 00	Interlock lever	1
64	4 5279 701 50	Motor	1
67		Washer mylar 2ϕ x 4ϕ x 0.2 Used with key No. 26	3
68		Spg interlock lever	1
72		Screw truss + 2.6 x 4 Used with key No. 20	1
75	141 2 8259 004 00	Roller-idler base	2
77	141 0 1619 023 00	Assy button select	1
	141 2 6139 005 00	Frame select button	1
	141 2 6139 006 00	Spacer select button	1
	141 2 6139 004 00	Stop sel but lever	1
	141 2 6119 002 00	Lever select button 1	2
	141 2 6119 004 00	Lever select button 2	2
	141 2 8519 019 00	Spg select button A	3
	141 2 8519 020 00	Spg select button B	1
	141 2 8519 021 00	Spg select button C	1
	141 2 6129 002 00	Spdl select but leverr	1
		C clamp	2
78	R-S0759	Erase head assembly	1

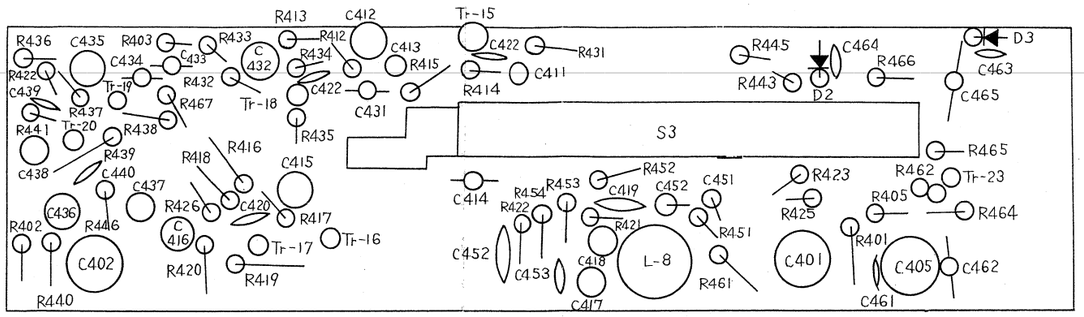
EXPLODED VIEW (Mechunisum)

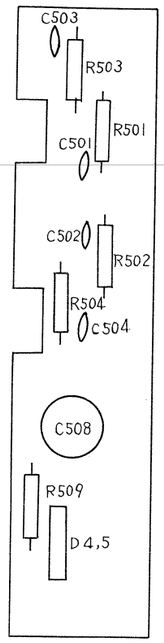


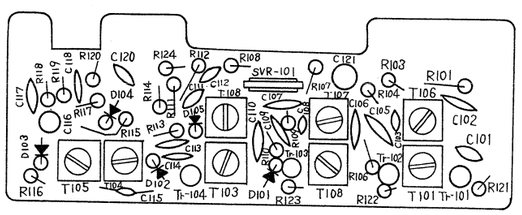


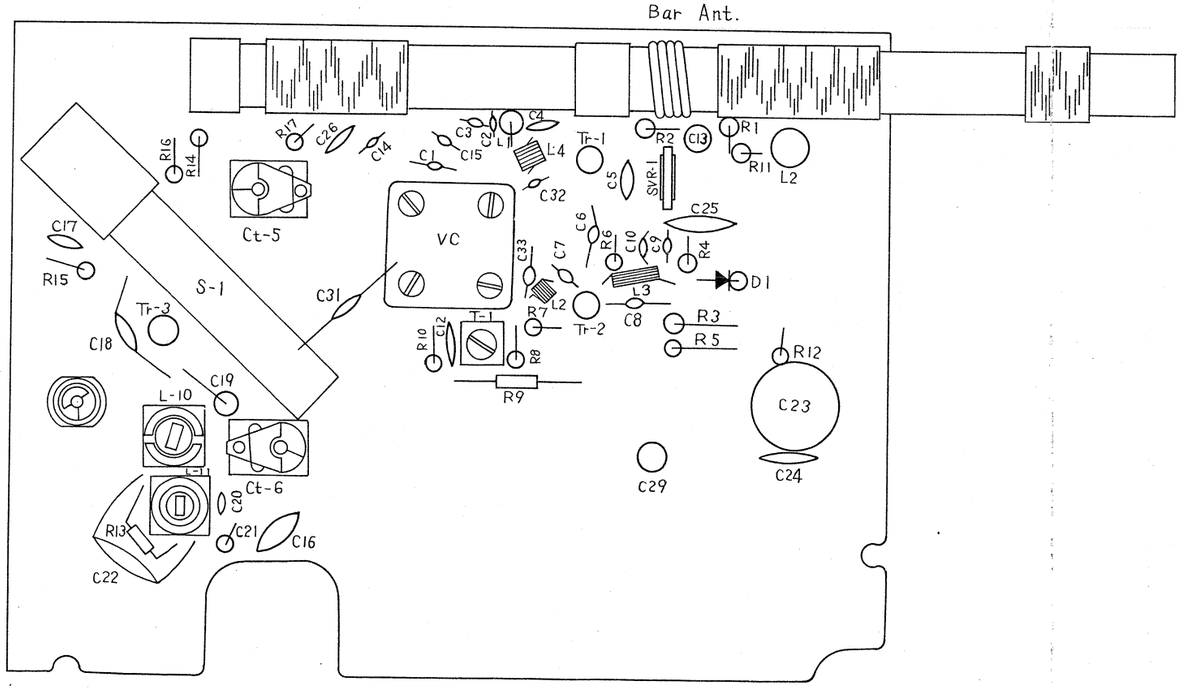
PARTS LOCATION

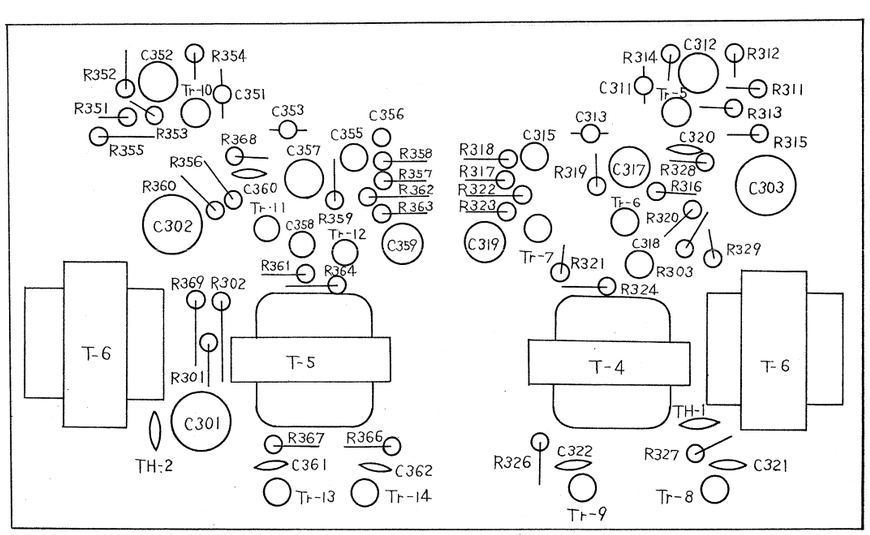




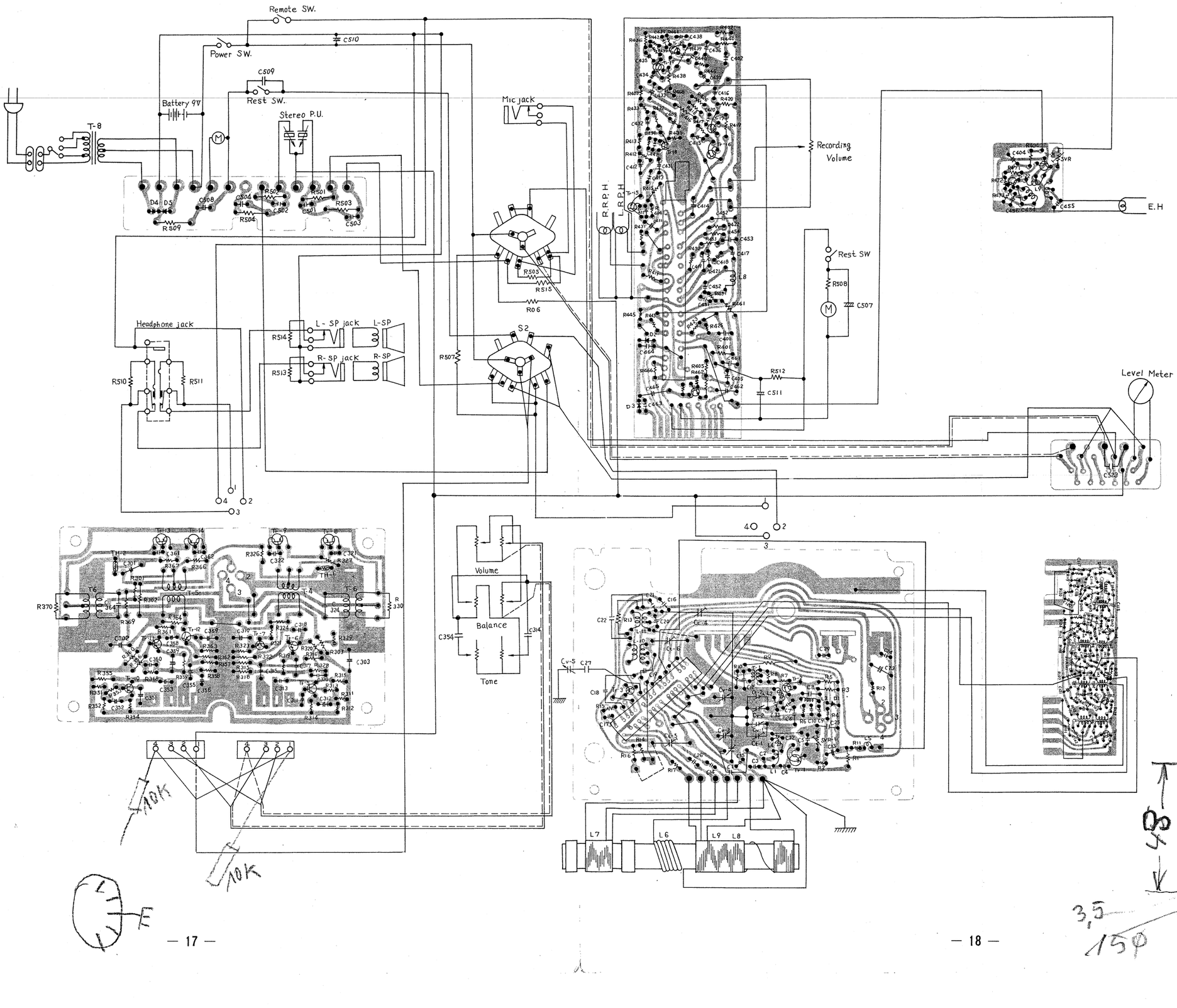




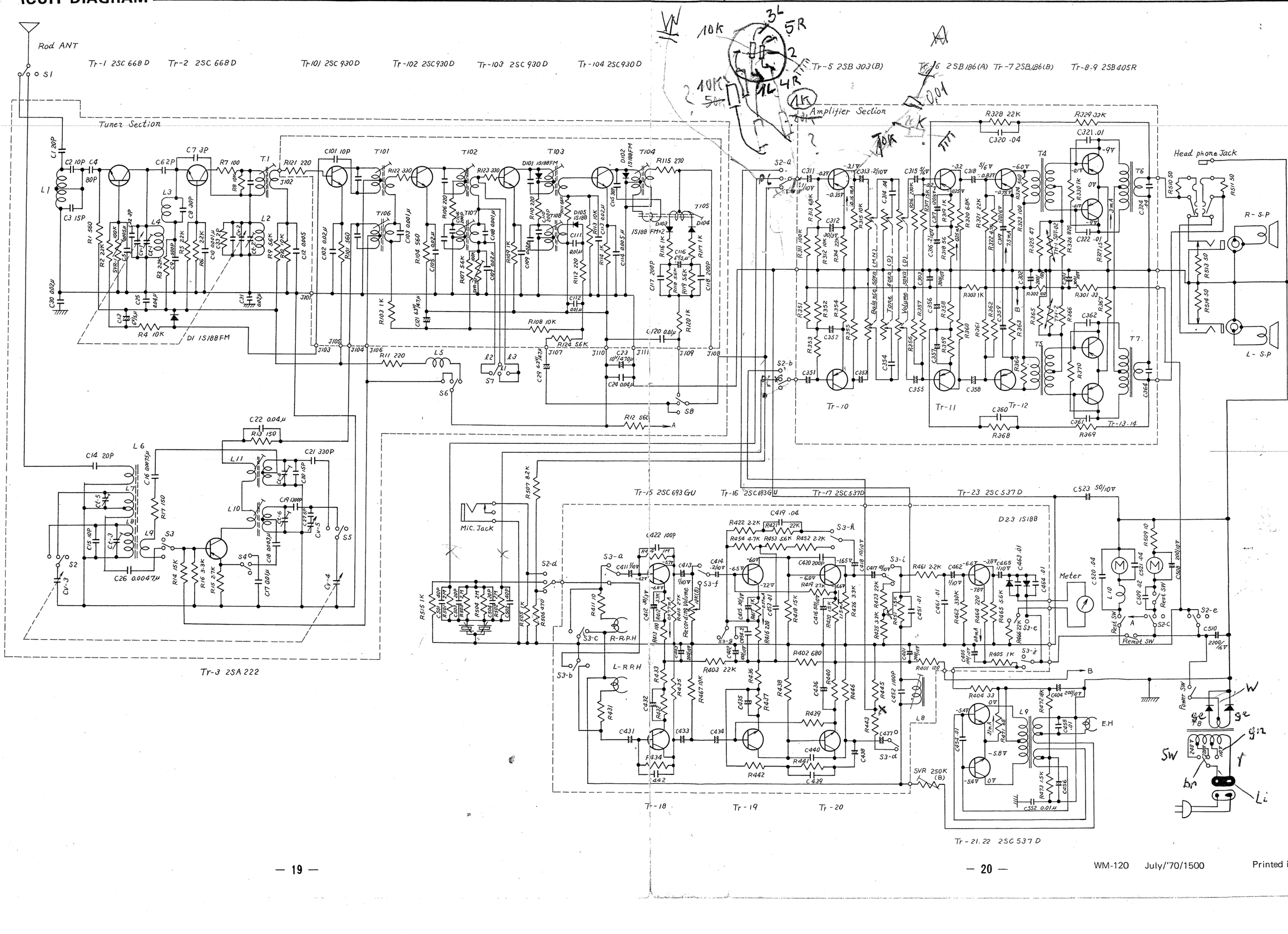




WIRING DIAGRAM



‹CUIT DIAGRAM



WM-120 July/'70/1500 Printed in Japan